

WEST



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L8: Entry 1 of 4

File: USPT

Sep 18, 2001

DOCUMENT-IDENTIFIER: US 6290976 B1

TITLE: Facial skin dermabrasion cleansing and conditioning composition

Detailed Description Paragraph Right (3):

A primary ingredient of this invention is an alpha alumina or corundum particle structure which possesses the facial skin dermabrading property which avoids the ripping of skin pores or the tearing of facial skin, unlike other products in prior art. This physical attribute is derived from use of a purer and more consistent sized form of corundum or alumina particles or powder which appears to eliminate substantial jagged edges of the particles or powder which are notoriously otherwise the cause of such facial skin abuse in prior art compounds. The uniform shape of each particle of corundum is sometimes referred to as that of a "block t" which is more uniform and less damaging to facial skin.

Current US Original Classification (1):424/401

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L8: Entry 3 of 4

File: USPT

May 28, 1996

DOCUMENT-IDENTIFIER: US 5520917 A

TITLE: Materials in the form of colored spherical fine particles

Detailed Description Paragraph Right (79):

To the dispersion was added 1 ml of 1N ammonia water as a hydrolyzing agent for the tetraethoxysilane and triisopropyl oxide aluminum, and the mixture was heated in a thermostatic chamber at 60.degree. C. for 30 minutes while being treated by the machine to deposit fine silica particles and fine alumina particles (3:1) on the pigment surface.

Detailed Description Paragraph Right (89):

To the dispersion was added 1 ml of 1N ammonia water as a hydrolyzing agent for the tetraethoxysilane and triisopropyl oxide aluminum, and the mixture was heated in a thermostatic chamber at 60.degree. C. for 30 minutes while being treated by the machine to deposit fine silica particles and fine alumina particles (3:1) on the pigment surface.

Current US Original Classification (1):424/401

WEST**End of Result Set**☐

L10: Entry 6 of 6

File: DWPI

Feb 20, 1986

DERWENT-ACC-NO: 1986-090693

DERWENT-WEEK: 198614

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TITLE: Prodn. of alumina particles with good wear resistance - by firing alumina particles treated with aq. soln. contg. orthophosphate ions

PATENT-ASSIGNEE:

ASSIGNEE

SHOKUBAI KASEI KOGYO KK

CODE

NISH

PRIORITY-DATA: 1984JP-0154129 (July 26, 1984)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 61036120 A	February 20, 1986		004	

INT-CL (IPC): B01J 27/18; B01J 32/00; C01F 7/02

ABSTRACTED-PUB-NO: JP61036120A

BASIC-ABSTRACT:

Alumina particles, produced by firing aluminium hydroxide of 20-80 microns average size obtd. by the Bayer process, are contacted with an aq. soln. contg. phosphoric ion (PO₄(3-)), then refired.

Amt. of P introduced by contact with the aq. soln. contg. PO₄(3-) is 2-20 wt.% as P₂O₅ of the alumina particles. The aq. soln. contg. PO₄(3-) is phosphoric acid, ammonium phosphate, phosphate or ammonium hydrogenphosphate of aq. soln. or their mixed soln..

USE/ADVANTAGE - The alumina particles are used as fluid catalyst carriers, adsorbents or heat mediums. They have good wear resistance comparable with alumina particles produced by conventional methods.

In an example, 3,000 g alumina particles produced by firing Al hydroxide of 37 microns average size at 600 deg.C for 2 hrs. were added to 990 ml phosphoric acid aq. soln. contg. 335 g 85% phosphoric acid. The mixt. was then dried at 120 deg.C for 17 hrs. and fired at 600 deg.C for 2 hrs. to obtain alumina particles. The alumina particles contained 6.9 wt.% P₂O₅ and had specific surface area of 75 m²/g, apparent bulk density of 0.79 g/ml, average particle size of 57 microns and wear loss of 0.33 wt.%/hr.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PRODUCE ALUMINA PARTICLE WEAR RESISTANCE FIRE ALUMINA PARTICLE TREAT AQUEOUS SOLUTION CONTAIN ORTHOPHOSPHATE ION

ADDL-INDEXING-TERMS:

PHOSPHORIC ACID CATALYST CARRY ADSORB HEAT MEDIUM

DERWENT-CLASS: E33 J04 L02

/ CPI-CODES: E31-K05; E34-C01; J01-D01; J01-E03C; J04-E03; J08-D06; L02-A02;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

A313 A940 C108 C550 C730 C801 C802 C803 C804 C805

C807 M411 M720 M903 M910 N163 N513 Q423 Q453 R032

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1544P; 1544S ; 1734S ; 1787S ; 1913S

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1986-038496

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<u>L10</u>	l1 near l3	6	<u>L10</u>
<u>L9</u>	l1 same l3	87	<u>L9</u>
<u>L8</u>	l1 and ((424/401)!.CCLS.)	4	<u>L8</u>
<u>L7</u>	5017132.pn.	3	<u>L7</u>
<u>L6</u>	517132.pn.	5	<u>L6</u>
<u>L5</u>	l3 and l4	1	<u>L5</u>
<u>L4</u>	l1 near l2	19	<u>L4</u>
<u>L3</u>	phosphoric or p2o5	167659	<u>L3</u>
<u>L2</u>	flake or flaky	52909	<u>L2</u>
<u>L1</u>	alumina particle	7169	<u>L1</u>

END OF SEARCH HISTORY